3237-01

1. **(Currently Amended)** An emulsified water in oil composition comprising:

a) a fuel;

b) a water;

c) an additive surfactants package comprising

i) an alkylamine ethoxylate wherein the alkylamine ethoxylate is selected from the groups comprising tallow amine penta ethoxylate, tallow amine tetra ethoxylate, tallow amine hexa ethoxylate, tallow amine hepta ethoxylate, oleyl amine deca ethoxylate, oleyl amine undeca ethoxylate, oleyl amine nona ethoxylate, oleyl amine dodeca ethoxylate, tris(2-hydroxyethyl)-N-tallowalkyl-1,3-diaminopropane, oleyl amine penta ethoxylate, oleyl amine diethoxylate, stearyl alcohol penta ethoxylate, stearyl amine diethoxylate and combinations thereof, and

ii) a PIBSA-derived surfactant; and

d) optionally at least one of a functional amount of at least one water-soluble, oil-insoluble functional additive dissolved in the emulsified aqueous phase, and

wherein a fuel is in the range of about 50% to about 99% by weight of the composition; the water is in the range of about 1% to about 50% by weight of the composition; and the additive surfactant package is in the range of about 0.01% to about 10% by weight of the composition, and

wherein the additive surfactant package is in the range of about 0.01% to about 10% by weight of the water in oil composition.

2. **(Original)** The composition of claim 1 wherein the additive surfactant package comprises:

(a) at least one of an alkylamine ethoxylated surfactant that is a mono- or a di- amine of the general formulae and combinations thereof:

$$R\text{- }N(E_aH)\text{-}(CH_2)_x\text{-}N(E_bH)(E_cH) \text{ or } R\text{- }N(E_aH)\,(E_bH)$$

wherein R =, straight or branched chained alkyl group, C8 to C30, and saturated or unsaturated, containing either 0, or 1, or 2 or 3 double bonds,

wherein N = nitrogen atom,

wherein E is an ethoxylate group, $-CH_2- CH_2-0-$,

wherein x = 1, 2, or 3, and

wherein a, b, c, = an integer from 0 to 20 such that a+b+c = any value between 1 and 20; and

(b) at least one of a PIB based material comprising:

(1) a PIBSA only;

(2) a PIB succinic acid;

(3) a PIB succinic acid - amine salt;

(4) a PIB succinic aminoalkylester or ester-acid or amine salt thereof;

(5) a succinimide or succinamide or amide-acid salt thereof derived by reacting PIBSA with an amine or poly amine;

(6) a succinic ester derived by reacting PIBSA with a polyol; or

(7) combinations thereof.

3. **(Currently Amended)** The composition of claim 2 wherein R is C10 to C24 and a+b+c = 1 to 14[.] and wherein the water in oil composition is an emulsified water blended fuel and wherein the fuel is selected from the group comprising petroleum distillate fuel such as diesel, gasoline, fuel oil a mixture thereof; a fuel derived from vegetables, corn, alfalfa, rapeseed, soybeans, shale, coal or mixtures thereof; a biodegradable fuel; biodiesel; residual fuel; bitumen; alcohol; ether; ethanol; Fischer-Tropsch fuels; gas to liquids fuels and combinations thereof.

4-6. **(Canceled)**

7. **(Currently Amended)** The composition on claim 1 wherein the PIBSA-derived surfactant has a PIB chain of molecular weight in the range of about

200 to about 5000 and wherein the alkylamine ethoxylate is selected from the groups comprising tallow amine penta ethoxylate, oleyl amine deca ethoxylate, tris(2-hydroxyethyl)-N-tallowalkyl-1,3-diaminopropane and combinations thereof.

8-10. **(Canceled)**

11. **(Currently Amended)** The composition of claim 2 wherein the additive surfactant package is added to the following comprising:

a) a hydrocarbon;

b) a water;

c) optionally an antifreeze chemical; and

d) optionally an ammonium nitrate[.] and

wherein the PIB succinic acid - amine salt is prepared by reacting the PIB succinic acid with either an alkyl amine primary, secondary, or tertiary) or an ethanolamine and/or ethoxylated amine and wherein the salt can be a fully neutralised or partially neutralised salt, and

wherein a PIB succinic aminoalkylester or ester-acid or amine salt thereof is prepared by reacting the PIBSA or PIB succinic acid or ester thereof with a hydroxylamine or an alkanol amine like ethanolamine and/or ethoxylated amine and, wherein the salt can be a fully neutralised or partially neutralized salt.

12. **(Original)** The composition of claim 1 wherein surfactants are used in combination with the additive surfactant package but are not the additive surfactant package surfactants and include but are not limited to a) natural fats; b) ionics excluding the additive surfactant package c) co-surfactants; d) fatty acids and their amine salts; e) ethoxylate alcohols and f) combinations thereof.

13. **(Original)** The composition of claim 2 wherein surfactants are used in combination with the additive surfactant package but are not the additive

surfactant package surfactants and include but are not limited to a) natural fats; b) ionics excluding the additive surfactant package c) co-surfactants; d) fatty acids and their amine salts; e) ethoxylate alcohols and f) combinations thereof.

14-17. **(Canceled)**

18. **(Currently Amended)** A process for making a water in oil emulsion comprising emulsifying a fuel, a water, a PIBSA-derived surfactant and an alkylamine ethoxylated surfactant to form an water in oil emulsion[.] and wherein the following components are added to the emulsification in combination with the additive surfactant package but are not the additive surfactant package surfactants and include but are not limited to a) natural fats; b) ionics excluding the additive surfactant package c) co-surfactants; d) fatty acids and their amine salts; e) ethoxylate alcohols and f) combinations thereof.

19. **(Original)** A process to produce an emulsified water in oil composition from a concentrate comprising emulsifying a portion of a fuel, a portion to substantially all of a water, substantially all of the PIBSA-derived surfactant, substantially all of an alkylamine ethoxylated surfactant to form a concentrate emulsion; and then diluting the concentrated emulsion with the remaining portion of fuel and water at the time of use.

20. **(Original)** The process of claim 18 wherein an antifreeze chemical and an ammonium nitrate are added to the emulsification.

21. **(Canceled)**

The amendments to the claims are indicated below.

Amended claim 1 incorporates the subject matter of canceled claims 5 and 14.

Amended claim 3 incorporates the subject matter of canceled claim 6.

Amended claim 7 incorporates the subject matter of canceled claim 10.

Amended claim 11 incorporates the subject matter of canceled claims 16 and 17.

Amended claim 18 incorporates the subject matter of canceled claim 21.

Applicant authorizes any deficiency or overpayment of fees to be charged or credited to The Lubrizol Corporation Deposit Account No. 12-2275. A duplicate copy of this Preliminary Amendment is provided for such purpose.

Should the Examiner have any questions regarding this amendment or the remarks made herein, a telephone call to the undersigned attorney at 440-347-5072 would be welcome.

Respectfully submitted,

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